DOCKET NO.: TIC-0010 Application No.: 10/019,201

Office Action Dated: May 6, 2004

PATENT REPLY FILED UNDER EXPEDITED PROCEDURE PURSUANT TO 37 CFR § 1.116

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A semiconductor device comprising:

a plurality of semiconductor elements arranged on a substrate; and

a main current electrode, which is formed by a piece of metal, arranged near said plurality of semiconductor elements and vertically apart from the surface of the substrate, wherein

each of said plurality of semiconductor elements and said main current electrode are electrically connected, and wherein said main current electrode bridges from one end of the substrate to an opposite end of the substrate and is arranged immediately above one of said plurality of semiconductor elements or <u>a</u> wiring pattern connected to the one of said plurality of semiconductor elements.

 (Original) The semiconductor device according to claim 1, wherein each of said plurality of semiconductor elements and said main current electrode are connected by wire bonding.

- 3. (Original) The semiconductor device according to claim 1, wherein said plurality of semiconductor elements are switching elements.
- 4. (Original) The semiconductor device according to claim 1, further comprising a thermal conductor at a bottom of the semiconductor device, wherein said plurality of semiconductor elements are directly or indirectly connected to said thermal conductor member so that they are thermally coupled.

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5. (Original) The semiconductor device according to claim 4, wherein said thermal conductor member is formed with a ceramic material.

6. (Original) The semiconductor device according to claim 1, wherein said plurality of semiconductor elements are arranged in one row or a plurality of rows.

7. (Previously Presented) A semiconductor device including one or a plurality of semiconductor elements, comprising:

a substrate on which the one or the plurality of semiconductor elements are arranged;

a case that is arranged in a predetermined position relative to said substrate so that one of the plurality of semiconductor elements are surrounded; and

a metal member on which a main current electrode of the one of the plurality of semiconductor elements and a terminal for electrically connecting said semiconductor device and a circuit external to said semiconductor device are formed integrally, wherein said metal member is arranged in a position apart from said substrate by using said case without directly contacting said substrate, and wherein said metal member bridges from one end of the substrate to an opposite end of the substrate.

- 8. (Previously Presented) The semiconductor device according to claim 7, wherein said metal member is arranged above the one of the plurality of semiconductor elements or a wiring pattern connected to the one of the plurality of semiconductor elements.
- 9. (Original) The semiconductor device according to claim 7, wherein said metal member and the semiconductor device are electrically connected by wire bonding.

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10. (Previously Presented) The semiconductor device according to claim 7, wherein: said case includes a frame portion surrounding the one of the plurality of semiconductor elements; and

said metal member is fixed to the frame portion of said case.